

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1. (Cancelled)

Claim 2. (Previously Presented) The system of claim 4, further comprising:

at least one electrical storage device electrically couplable to supply power to at least one of the electric motors.

Claim 3. (Original) The system of claim 2 wherein the at least one electrical storage device comprises a battery.

Claim 4. (Currently Amended) A system for the generation of electrical energy, comprising:

a fuel cell stack comprising at least one fuel cell operable to generate electrical energy;

at least a first compressor coupled and operable to supply an oxidant flow to the fuel cell; and

a drive unit comprising at least two permanent-magnet electric motors each comprising a respective separate set of stator windings and both electric motors sharing a common rotor, the common rotor mechanically coupled to drive the first compressor;

wherein the sets of stator windings of the electric motors are arranged concentrically with respect to one another, with one set of stator windings being positioned concentrically inside of the other set of stator windings, and said other set of stator windings being disposed radially outward of and radially adjacent to said one set of stator windings.

Claim 5. (Previously Presented) The system of claim 4, further comprising:

a first voltage converter electrically coupled to supply a first voltage to a first one of the electric motors; and

a second voltage converter electrically coupled to supply a second voltage to a second one of the electric motors.

Claim 6. (Previously Presented) The system of claim 4, wherein one of the sets of stator windings is a high-voltage stator winding and the other one of the sets of stator windings is a low-voltage winding.

Claim 7. (Previously Presented) The system of claim 6, further comprising:

a first voltage converter electrically coupled to supply a first voltage to a first one of the electric motors; and

a second voltage converter electrically coupled to supply a second voltage to a second one of the electric motors.

Claim 8. (Cancelled)

Claim 9. (Currently Amended) ~~The system of claim 8, wherein~~

A system for the generation of electrical energy, comprising:

a fuel cell stack comprising at least one fuel cell operable to generate electrical energy;

at least a first compressor coupled and operable to supply an oxidant flow to the fuel cell; and

a drive unit comprising at least two permanent-magnet electric motors each comprising a respective separate set of stator windings and both electric motors sharing a common rotor, the common rotor mechanically coupled to drive the first compressor; wherein,

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one of the sets of stator windings is a high-voltage stator winding
and the other one of the sets of stator windings is a low-voltage winding; and

the low-voltage stator winding is positioned concentrically inside of
the high-voltage stator winding.

Claims 10-20. (Cancelled)